actually the hardware is working.  
I cannot change the hardware now because it's already approved.  
the only thing is I need to connect sd card to play music.  
the data should go to thinkspeak

only four things we need to implement now  
1. sd card to play music  
2. think speak to send data about water consumption in liters for six minutes  
3. water flow meter code  
4. the arduino should be on when there is a water flow other wise offLCD is already working with the old one

I'm using relay, connected solenoid valve to water flow meter relay to solenoid. relay will control the solenoid valve

I want to play music from SD card on arduino uno using WAV file

for music i will connect a speaker. i already downloaded the WAV file for music. i will connect the buzzer

[https://github.com/bbx10/SFX-I2S-web-trigger](https://www.freelancer.com/users/l.php?url=https:%2F%2Fgithub.com%2Fbbx10%2FSFX-I2S-web-trigger&sig=0e5b9fb502b6374bbb2c076921180c1ff791fe49ab15a200aefb90752bae8641)   
this code for interfacing sd with nodemcu to run wav file u can test it

I will short Vcc and Gnd on bread board

relay need three pins Vcc,Gnd and input

I can replace LCD with i2c LCD which has only four pins but I tried before its not working with i 2 c

I can replace the old LCD with i2c LCD

I will create an account for think speak also